United States Department of the Interior

BUREAU OF LAND MANAGEMENT

California State Office
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In Reply Refer To:
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EMS TRANSMISSION: 7/19/02
Instruction Memorandum **No. CA-2002-057**
Expires: 09/30/2003

To: Assistant Director, WO-500, 5642MIB
              Attn: Ron Strong

From: State Director

Subject: Request/Justification for Telecommunications Services

In response to your Instruction Memorandum (IM) No. 2002-191 we have identified areas that will require funding from the FTS2001 Bureau-wide account in FY2003.

We have included long distance voice, data communications requirements for projected new office space, additions and changes to existing locations.

Please address any questions or concerns to Rick Shellooe at (916) 978-4555 or Diane Dimberg at (916) 978-4545.

Signed by: Authenticated by:
James Wesley Abbott   Richard A. Erickson
Associate State Director   Records Managment

1Attachment:
1 – FY2003 Requirements

IM-WO-191: Telecommunications Identification and Justification

The connectivity issue for the remote sites have been sub standard since the new dial-in/VPN security restrictions. This restriction has limited any opportunities to circuit share. The offices below are legitimate candidates for connection. All offices will be looked at for some sort of upgrade to their service in FY03.

We have addressed the questions below where they were deemed applicable.
- *What are the requirements and benefits?* **Please see below.**
- *What is the time period for the service requirement?* **FY03.**
- *What are the projected costs (if available)?*
- *Are there sharing opportunities?* **This has been precluded through the security concerns.**

1. Ridgecrest field office remote locations

    1.1   Salt Wells Fire Station / Wild horse and burro facility
        1.1 Fractional or T1 facilities for data connectivity into BLMNet.
        1.2 Access for email and fire resources.
        1.3 11 people.

    1.2   And the Wild Horse and Burro facility.
        2.1 Fractional or T1 facilities for data connectivity into BLMNet.
        2.2 Access to email and Bureau resources.
        2.3 Wild horse and Burro clerk needs access to WHFS adoption information and
    Medical Information.
        2.4 6 people.

    1.3   Olancha Fire station
        3.1 Fractional or T1 facilities for data connectivity into BLMNet.
        3.2 Access for email and fire resources.
        3.3 1 + dialing (5 lines).
        3.4 Additional telephone lines needed to support an increase in staff.
        3.5 12 people

    1.4   Jawbone OHV facility
        4.1 Fractional or T1 facilities for data connectivity into BLMNet.
        4.2 Access to email and Bureau resources.
        4.3 4 people in office.

    1.5   Fire Management Office and FSO
        5.1 Fractional or T1 facilities for data connectivity into BLMNet.
        5.2 Access for email and fire resources.
        5.3 VPN is not always available.
        5.4 Fire personnel need constant access to Fire resources.

2. Dos Palmos Preserves
        2.1   Fractional or T1 facilities for data connectivity into BLMNet.

      2.2   Telephone service or satellite communications.
      2.3   Access to email and Bureau resources.
      2.4   2 people

3. Santa Rose Visitors Center
      3.1   Additional telephone lines needed to support an increase in staff.
      3.2   1 + Dialing (5 lines)
      3.3   Access to email and Bureau resources
      3.4   8 people

4. Bishop Field Office
      4.1   The office is moving this FY03 and needs the WAN and telephone circuits moved.
      4.2   Needs complete access to all resources provided to a field office.
      4.3   45 people

5. Fort Ord office
      5.1   Fractional or T1 facilities for data connectivity into BLMNet.
      5.2   Fire personnel needs access to all fire management and weather resources.
      5.3   Access to email and Bureau resources.
      5.4   Additional 3 lines needed 1 + dialing.
      5.5   10 people.

6. Consumnes River Preserve
      6.1   Fractional or T1 facilities for data connectivity into BLMNet.
      6.2   The office is combined with The Nature Conservancy.
      6.3   Access to email and Bureau resources.
      6.4   13 people

7. Bakersfield Rio Bravo Heli-tac crew.
      7.1   Fractional or T1 facilities for data connectivity into BLMNet.
      7.2   Fire personnel needs access to all fire management and weather resources.
      7.3   Access to email and Bureau resources.
      7.4   8 people

8. USFS connectivity to the CASO
      8.1   Fractional or T1 facilities for data connectivity into BLMNet.
      8.2   The connection between the USFS regional office in Mare Island and the BLM
California State Office.
      8.3   Facilitates in circuit sharing where applicable between the agencies.

9. El Centro circuit to the Imperial Valley water district.
      9.1   Fractional or T1 facilities for data connectivity into BLMNet.
      9.2   Carrizo ranger station
        2.1 Access to email, Bureau resources and California law enforcement terminal system
(CLETS).
        2.2 7 people

10. Eagle lake

10.1   Ravendale fire station and wild horse and burro corral
   1.1 Fractional or T1 facilities for data connectivity into BLMNet.
   1.2 Access to email and Bureau resources.
   1.3 Poor dial-in service.
   1.4 8 people

11. Arcata
   11.1   Admin site
   1.1 Fractional or T1 facilities for data connectivity into BLMNet.
   1.2 Access to email and Bureau resources.
   1.3 Poor dial-in service.
   1.4 7 people

12. Voice over IP proposal
   12.1   PBX replacement.
   12.2   Toll savings.
   12.3   Circuit cost savings.
   12.4   Savings on the build moves requiring a typical data drop of 1 voice and 2 data would now be only 2 data drops.
      4.1 Savings of $150 per drop.
      4.2 100 drops multiplied by $150 equals $15,000 saving for that buildings' cable installation.
   12.5   Combined effort of the networking staff and telephone support.

13. Continuity of Operations for California's WAN network.
   13.1   Place a redundant set of circuits to handle a catastrophic event to the state Office.
      1.1 Keeps the field offices and other subordinate sites in full operation.
      1.2 $120k per year.

   13.2   The Glamis project.
      2.1 The entire project cost, per event, is $650k. (The season starts with Halloween, Thanksgiving, New years, Martin Luther King, Presidents day, and ends with the Easter holiday)
         1.1   This Highly political.
         1.2   Total communications cost, per event, is $7,000.
         1.3   Radio
            3.1 4 control circuits
         1.4   Telephone
            4.1 12 voice circuits
         1.5   Data.
            5.1 Fractional T1 circuit.